

SERKOV, A.T.; KOTOMINA, I.N.; KOLCHIN, V.A.

Zinc sulfate regeneration in the production of extrastrong
viscose cord. Khim.volok. no.5:30-32 '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

(Viscose)
(Zinc sulfate)

SERKOV, A.T.; CHERKASOVA, Ye.V.; KONKIN, A.A.; POKROVSKIY, V.N.

Effect of some factors on the formation process of the filament streams in the outflow of viscose. Khim. volok. no.3:32-37 '63.
(MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (for Serkov, Cherkasova). 2. Moskovskiy tekstil'nyy institut (for Konkin). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut steklyanogo volokna (for Pokrovskiy).
(Rayon)

SERKOV, A.T.; KONKIN, A.A.; KOTOMINA, I.N.; BUDNITSKIY, G.A.

Formation of the supermolecular structure of viscose fibers
during spinning. Khim. volok. no.5:40-45 '63. (MIRA 16:10)

1. Gosudarstvennyy komitet khimicheskoy i neftyanoy promyshlennosti
pri Gosplane SSSR (for Serkov). 2. Moskovskiy tekstil'nyy institut
(for Konkin). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut
iskusstvennogo volokna (for Kotomina, Budnitskiy).

SERKOV, A.T.; CHERKASOVA, Ye.V.

Ways of increasing the stability of viscose fiber forming.
Khim. volok. no.3:40-43 '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

SERKOV, A.T.; CHERKASOVA, Ye.V.; KOTOMINA, I.N.

Some causes of filament breakage during the formation of
viscose fibers. Khim. volok. no.4:33-37 '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

SERKOV, A.T.

Mechanism of the action of modifiers in the formation of viscose.
Khim. volok. no.4:38-40 '65. (MIRA 18:8)

1. Gosudarstvennyy komitet khimicheskoy promyshlennosti pri
Gosplane SSSR.

L 46145-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6026738 (A)

SOURCE CODE: UR/0183/66/000/003/0042/0043

AUTHOR: Serkov, A. T.; Budnitskiy, G. A.; Chivilikhina, M. P.; Veretennikova, T. P.; Shishkina, N. P.; Kondrashova, I. A.; Muravleva, L. V.; Ordina, V. I.

34
B

ORG: VNIIV

TITLE: Improving the quality of viscose cord

SOURCE: Khimicheskiye volokna, no. 3, 1966, 42-43

TOPIC TAGS: cellulose, synthetic material, cellulose plastic, synthetic fiber

ABSTRACT: The details of a modified procedure for manufacturing high tensile strength viscose cords are described. In essence, the procedure consists of accelerated processes of coagulation, filtration, and cord forming. It also requires the use of high purity reagents: sulfuric acid (GOST 2184-59), and ethylene oxide- and aliphatic amine derivatives as modifiers. The modified procedure does not require any new machines, only a minor adjustment of the cord spinning procedure. It is claimed that the modified procedure is capable of yielding viscose cords with tensile strength by 50-60% greater than that manufactured elsewhere in the world. Orig. art. has: 2 figures.

SUB CODE: 11/

SUBM DATE: 28Feb66/

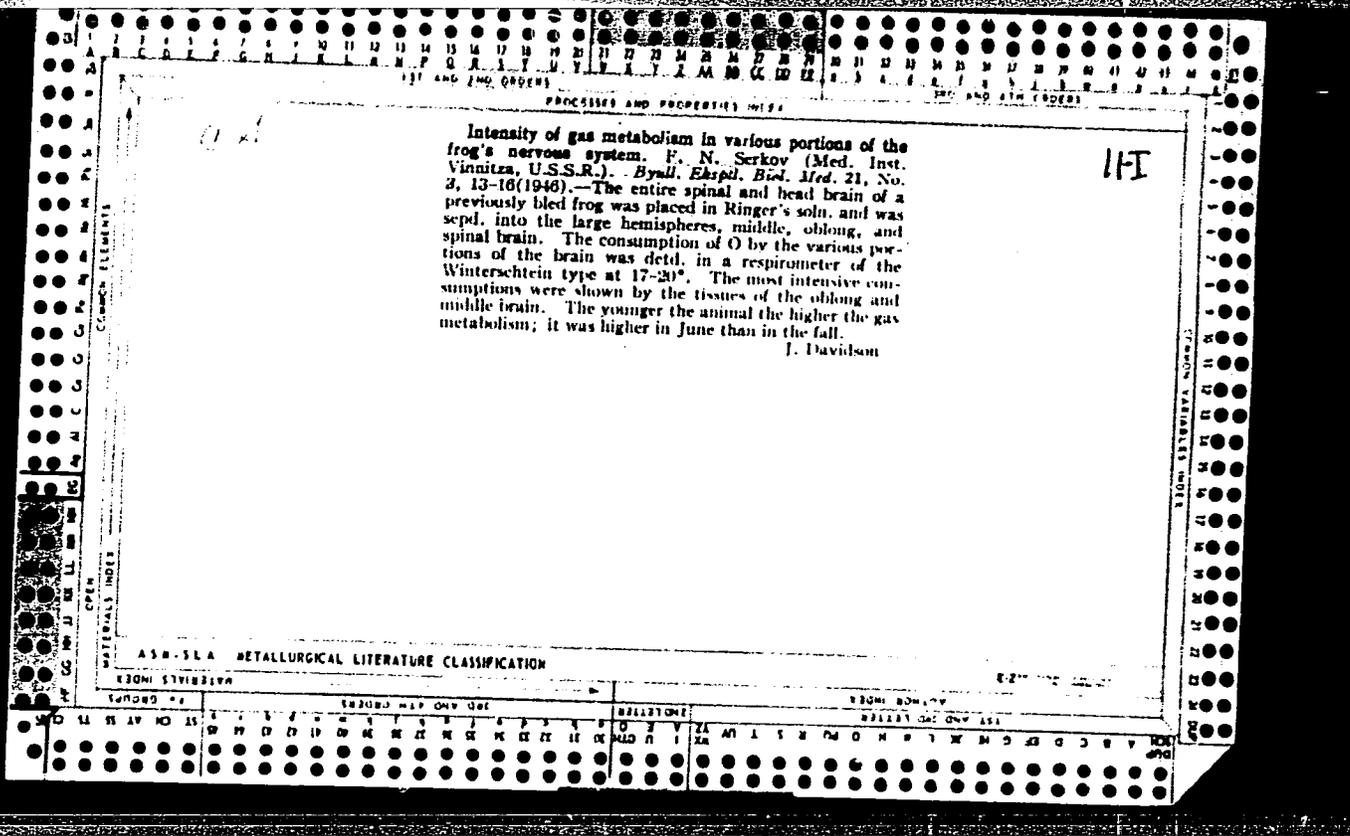
ORIG REF: 004

UDC: 677.463

Card 1/1 *1.2k*

AKULOV, A.N.; SERKOV, B.I.; SIROTOV, I.I., red.

[Mechanization of lumbering and floating] Mekhanizatsiia les-
zagotovok i lesosplava. Moskva, 1957. 215 p. (MIRA 11:9)
(Lumbering)



SERKOV, F. V.

On the Question of the Mechanism of Impulse Transmission from Nerve to Muscle

Bull of Exp Biol & Medicine (USSR) 23, 1947, 1, 7-8

SERKOV, F.N.

"On the Question of the Mechanism of Impulse Transmission from Nerve to Muscle.
Bull. of Exp. Biol. and Medicine (USSR), 23 (1947) 1, 32-35.

SO:-Translation-2524467, 30 Apr 1954.

SERKOV, F. N.

"Single Contraction of an Isolated Muscle Fiber," Fiziol. Zhur. SSSR, 34,
No.2, 1948

Vinnits Med. Inst. , Chair Normal Physiology, Physiological Lab.

SERKOV, F. N.

"The Refractory Stage of Isolated Muscular Fiber," Fiziol. Zhur. SSR, 34, No. 5
1948

Vinnitsa Med. Inst. , Chair Normal Physiology, Physiological Lab.,

SERKOV, F. N.

"The Application of the Law 'All or Nothing' in the Reaction of a Single
Muscle Fiber," Fiziol. Zhur. SSSR, 34, No 6, 1948

Vinnitsa Med. Inst., Chair Normal Physiology, Physiological Lab.

SERKOV, F. N.

USSR/Medicine - Muscles, Physiology
Medicine - Muscles, Fatigue

Jan 49

PA 47/49T66

"Exhaustion of an Isolated Muscular Fiber," F. N. Serkov, Physiol Lab, Med Inst, Vinnitsa, 11 pp

"Fiziol Zhur SSSR" Vol XXXV, No 1

Concludes that weakening in working capabilities of muscles because of exhaustion does not indicate sapping of muscular energy resources, but is due to accumulation of by-products of material exchange. Decrease in the rest period between each phase of muscular exhaustion and muscular contraction also

47/49T66

USSR/Medicine - Muscles, Physiology Jan 49
(Contd)

causes accumulation of by-products of material exchange in the muscle.

47/49T65

SERKOV, F.N.

Tonic component in the contraction of skeletal muscle. Nauk.zap.Kiev.un.
8 no.7:249-257 '50 [i.e.'49]. (MIRA 9:10)
(NERVES) (MUSCLES) (ELECTROPHYSIOLOGY)

SHKLYAR, B.S.;SERKOV, F. N.

Electroencephalographic examinations in hypertension. Ter.
arkh. 22 no.5:16-22 Sept-Oct 1950. (GIML 20:1)

1. Of the Department of Propedeutics of Internal Diseases
(Head -- Prof. B. S. Shklyar) and of the Department of Normal
Physiology (Head -- Prof. F. N. Serkov), Vinnitsa Medical
Institute, Vinnitsa.

SERKOV, F.N.

Tetanic and tone-like contractions of isolated fiber. *Fiziol.zh.*
SSSR 36 no.6:679-686 Nov-Dec 50. (CML 20:6)

1. Department of Normal Physiology of Vinnitsa State Medical In-
stitute.

SERKOV, F.N.

Capacity of human blood to synthesize acetylcholine. *Vop. fiziol.*
no.6:115-119 '53. (MLRA 8:1)

1. Kafedra normal'noy fiziologii Vinnitskogo gosudarstvennogo meditsinskogo instituta. **APPROVED FOR RELEASE: 08/23/2000** **CIA-RDP86-00513R001548130002-7"**

(ACETYLCHOLINE, physiology,
synthesis in blood)
(BLOOD, physiology,
acetylcholine synthesis)

SERKOV F. N

USSR/Human and Animal Physiology. Nerve and Muscle Physiology. T-9

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55953.

Author : ~~Serkov, F.N.~~
Inst : Georgian SSR Academy of Sciences.
Title : The Electrotonic Modifications of Excitability in Isolated Muscle Fibers.

Orig Pub: V sb.: Probl. sovrem. fiziol. nervn. i nyshechn. sistem. Tbilisi, AN GruzSSR, 1956, 455-464.

Abstract: Some isolated muscle fibers were irritated by a direct current (DC) of non-polarized electrodes (for a description of basic methods, see: Fiziol. zh. SSSR, 1948, 34, 233). One pole of the DC was on the upper end of the fiber, and the solution in which the fiber has been placed served as the other

Card : 1/4

USSR/Human and Animal Physiology. Nerve and Muscle Physiology. T-9

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55953.

pole. The irritation was produced by inductive current (IC) led through the same electrodes. When the pre-threshold IC circuit was closed through the fiber upon the cathode (C), an increased excitability developed immediately which subsided gradually, however, When a stronger DC was used, the decrease in excitability upon C developed more rapidly, and already a few seconds after closure it fell below the norm. To being irradiated by IC of threshold strength, the fiber responded by a scarcely noticeable single contraction. On the basis of these contractions, the closure of threshold DC in response to earlier threshold irritations (apparently because of an increase in excitability) produced much

Card : 2/4

SERKOV, F. N., DUBOVOY, E. D. and YASINOVSKIY, M. A. (Prof.)

"Changes in the Electrocephalogram of Patients With Polycythemia During Treatment With Radioactive Phosphorus", a report presented at the Scientific Conference Devoted to the Application of Radioactive Substances in Medicine, Odessa medical Institute, December 1954, Arkhiv, Patol., No. 2, 1956

USSR/Human and Animal Physiology. Blood. Blood Diseases.

T-4

Abs Jour: Ref Zhur Biol., No 12, 1958, 55523.

Author : Serkov, F. N., Dubovyy, Ye. D., Yasinovskiy, M. A.

Inst :

Title : Electroencephalographic Changes in True Polycythemia
Patients Subjected to Radiophosphoric Therapy.

Orig Pub: Vrachebnoye delo, 1956, No 10, 1009-1012.

Abstract: Fifteen true erythronia patients were subjected to
encephalography (before treatment), and the follow-
ing findings were established: disturbances of the
alpha-rhythm regularity (11 patients), decrease
of the alpha-wave amplitude (13 patients), slowing
of the delta type waves (3 patients), increased
rate of the waves (6 patients). These changes are
specific not only for erythronia. An administration

Card : 1/2

USSR/Human and Animal Physiology - Nervous System.
Cortex of Cerebral Hemispheres.

T-10

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32159

Author : Dvuzhil'naya, Ye.D., Serkov, F.N.

Inst : -

Title : Biopotentials of the Cerebral Cortex During Acute Blood Loss.

Orig Pub : Khirurgiya, 1957, No 6, 18-24.

Abstract : During acute blood loss in dogs and rabbits, a decrease of the amplitude of oscillations was observed, as well as the appearance of slow waves on EEG. The introduction of adrenalin caused the strengthening of the electric activity of the brain. The changes of the EEG caused by acute blood loss found in animals under pentothal narcosis were less sharply expressed than in animals under morphine-ether narcosis.

Card 1/1

DVUSHIL'NAYA, Ye.D., prof.; SERKOV, F.N., prof.

Biopotentials of the cerebral cortex in severe blood loss. *Khirurgia*
33 no.6:18-24 Je '57. (MIRA 10:12)

1. Iz kafedry operativnoykhirurgii (zav. - prof. Ye.D.Dvuzhil'naya)
Odesskogo instituta usovershenstvovaniya vrachey i kafedry normal'noy
fiziologii (zav. - prof. F.N.Serkov) Odesskogo meditsinskogo insti-
tuta imeni N.I.Pirogova (dir. - prof. I.Ya.Deyneka)

(HEMORRHAGE, physiol.)

EEG in severe blood loss)

(ELECTROENCEPHALOGRAPHY, in various dis.
blood loss)

VORONTSOV, Daniil Semenovich; NIKITIN, Vladimir Nikolayevich [Nikitin, V.M.];
SERKOV, Filipp Nikolayevich [Serkov, P.M.]; PRIKHOD'KOVA, Ye.K.
[Prykhod'kova, Ye.K.], otv.red.; ERAGINSKIY, L.P. [Brahins'kyi, L.P.],
red.izd-va; YEFIMOVA, M.I. [Efimova, M.I.], tekhn.red.

[An outline of the history of physiology in the Ukraine] Narysy z
istorii fiziologii na Ukraini. Kyiv, Vyd-vo Akad.nauk URSR, 1959.
253 p. (MIRA 13:7)

1. Chlen-korrespondent AN USSR (for Prikhod'kova).
(Ukraine--Physiology)

AYRIKYAN, Ye.A.; GASKE, O.D.; SERKOV, F.N.

Effect of radioactive phosphorus on conditioned reflex activity
in dogs [with summary in English]. Med.rad. 4 no.1:19-26 Ja '59.
(MIRA 12:2)

1. Iz kafedry normal'noy fiziologii (zav. - prof. F.N. Serkov)
Odesskogo meditsinskogo instituta imeni N.I. Pirogova.

(REFLEX, CONDITIONED, eff. of radiations,
radiophosphorus in dogs (Rus))

(PHOSPHORUS, radioactive,
eff. on conditioned reflexes in dogs (Rus))

SERKOV, F. N.; MAKUL'KIN, R. F.; RUSEYEV, V.V. (Odessa)

Elektricheskaya aktivnost' retikulyarnoy formatsii

report submitted for the First Moscow Conference on Reticular Formation,
Moscow, 22-26 March 1960.

SERKOV, F.N.; MAKUL'KIN, R.F.; RUSSEV, V.V.

Effect of section of the brain stem and thalamic radiation on the electrical activity of the brain. Fiziol. zhur. 46 no. 4:408-417
Ap '60. (MIRA 13:10)

1. From the Normal Physiology Chair of the Medical Institute, Odessa.
(BRAIN)

MAKARCHENKO, A.F., *otv. red.*; VORONTSOV, D.S., *red.*; KOSTYUK, P.G.,
red. (Kiyev); SERKOV, F.N., *red.*; SEMENYUTIN, I.P., *red.*
BOKHNO, Yu.M., *tekhn. red.*

[Basic problems in the electrophysiology of the central nervous
system] Osnovnye voprosy elektrofiziologii tsentral'noi nervnoi
sistemy. Kiev, Izd-vo Akad. nauk USSR, 1962. 231 p.

(MIRA 15:6)

(NERVOUS SYSTEM)

(ELECTROPHYSIOLOGY)

SERKOV, F.N. [Sierkov, P.M.]; RUSSEV, V.V. [Russiev, V.V.]

Secondary electric response of the cerebral cortex. Fiziol. zhur.
[Ukr.] 8 no.1:45-53 Ja-F '62. (MIRA 15:2)

1. Kafedra normal'noy fiziologii Odesskogo meditsinskogo instituta.
(CEREBRAL CORTEX) (ELECTROPHYSIOLOGY)

SERKOV, F.N. [Sierkov, P.M.]

Valuable manual of electrophysiology. Fizicl. zhur. [ukr.] 8 no.5:
696-697 S-0 '62. (MIRA 17:11)

SERKOV, F.N.; FEDOROVICH, G.I.

Inhibiting and stimulating effects of a complementary stimulus
on the cerebral activity. Zhur. vys. nerv. deiat. 12 No.4:613-
648 J1-Ag '62. (MIRA 17:11)

1. Chair of Normal Physiology, Medical Institute, Odessa.

SERKOV, F.N. [Sierkov, P.M.]; MAKUL'KIN, R.F.

Significance of the diencephalon in the formation of cortical
electrical activity. Fiziol. zhur. [Ukr.] 9 no.6:716-721
N-D '63. (MIRA 17:8)

1. Kafedra normal'noy fiziologii Odesskogo meditsinskogo insti-
tuta im. N.I. Pirogova.

SERKOV, F.N.; MAKUL'KIN, R.F.

Cerebral electrical activity following hemispherectomy. Zhur.
vys. nerv. deiat. 13 no.5:891-903 S-0'63 (MIRA 16:11)

1.Chair of Normal Physiology, Pirogov Medical Institute,
Odessa.

SERKOV, F.N.; MAKUL'KIN, R.F.; BESHYEV, V.V.

Electric activity of the cerebral cortex in the isolated hemisphere. Fiziol. zhur. 49 no.2:149-157 F'64 (MIRA 17:3)

}. Kafedra normal'noy fiziologii Meditsinskogo instituta, Odessa.

55. Nov 1972

AUTHOR: Rusinov, V. S., Corresponding Member, Academy of Medicine 30-1-17/39

TITLE: International Convention on Electroencephalography (Mezhdunarodnyy kongress po elektroentsefalografii).

PERIODICAL: Vestnik AN SSSR, 1950, Vol. 20, Nr 1, pp. 94-97 (USSR)

ABSTRACT: This congress took place at Brussels from July 21 to July 28, and is part of the first international congress on neuralgy, taking place at the same time and which includes congresses on neuropathology, neurosurgery, and a congress of the Society for the struggle against epilepsy and a symposium on neuro-radiology. During the last ten years electroencephalography attracted ever growing attention of research workers. This development is closely connected with the general successes achieved by electronics. The congress was devoted to the most urgent questions of modern electrophysiology, viz. to the ontogenesis of the electric activity of the cerebrum of man and of animals, the electroencephalography of conditioned reflexes, the pathology and clinic of epilepsy etc. The Soviet scientists F. A. Bassin, Ye. S. Beyn and M. G. Zerkov reported on the electromyographical analysis of the changes of the muscular tension as a method of localising organic affections in the central nervous system. The report delivered by V. S. Rusinov

Card 1/2

International Convention on Electroencephalography.

30-1-17/39

and G. D. Smirnov (USSR) dealt with the electroencephalographic investigations of conditioned reflexes in man, and demonstrated the leading part played by the cerebral cortex and the second signal system in forming these reflexes.

AVAILABLE: Library of Congress

1. Electroencephalography-Applications

Card 2/2

SERKOV, N.S.

Contribution of veterinary experts of Ryazan Province to the
increase in meat production. Veterinariia 36 no.4:14-19 Ap '59.
(MIRA 12:7)

I.Nachal'nik vetotdela Ryazanskogo oblastnogo upravleniya
sel'skogo khozyaystva.
(Ryazan Province---Veterinary hygiene)

S/ERKOV, P.M.

I.M.Sechenov's transfer from the Medical and Surgical Academy to
Novorossiysk University. *Fiziol.zhur.* [Ukr.] 2 no.1:3-6 Ja-F '56.
(MIRA 10:1)

1. Odes'kiy medichniy institut imeni M.I.Pirogova, kafedra normal'noy
fiziologii.

(SECHENOV, IVAN MIKHAILOVICH, 1829-1905)

L 51116-65 EWT(1)/EWA(h) Feb
ACCESSION NR: AP5015498

UR/0286/65/000/008/0029/0029
621,372.8

9
E

AUTHOR: Serkov, V. P.

TITLE: A matched power divider for shf oscillations. Class 21, No. 170091

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 29

TOPIC TAGS: power divider, shf oscillator, transmission line

ABSTRACT: This Author's Certificate introduces: 1. A matched power divider for shf oscillations. The design of the device is simplified by making it in the form of a plane-parallel or converging radial line which is energized at the center. The loads are connected along the periphery of the line using equally spaced loop or rod doublets. 2. A modification of this power divider which is designed for improved matching when the power is unevenly distributed between the loads. The distance between the doublets is chosen in such a way that the distributed linear conductivity of the load along the perimeter is uniform.

ASSOCIATION: none

Card 1/2

Submitted: 11 Jul 60

SERKOV, Vasilii Vasil'yevich; PEREL'MUTER, N.M., redaktor; PITERMAN, Ye.L.,
redaktor; SHITS, V.P., tekhnicheskii redaktor.

[Repair of three-phase asynchronous motors] Remont trekhfaznykh
asinkhronnykh dvigatelei. Moskva, Goslesbuzmash, 1956. 106 p.
(Electric motors, Induction) (MIRA 9:5)

SERKOV, V.V. (g. Orsk).

~~Erroneous recommendations.~~ Fiz. v shkole 16 no.6:80-81

N-D '56.

(MLRA 9:12)

(Electricity--Study and teaching)

SERKOV, V.V.

Demonstration of complex vibrations. Fiz.v shkole 17 no.2:60-62
Mr-Apr '57. (MLBA 10:3)

1. Pedagogicheskiy institut, Orsk.
(Vibration--Study and teaching)

SEKOV, V.V.

Use of three-phase current wattmeters to measure power in single-phase circuits. Politekh. obuch. no.3:50-54 Mr '58. (MIRA 11:2)

1. Pedinstitut, Orsk.
(Electric circuits) (Wattmeter)

8(2,3), 9(3)

SOV/91-59-7-14/21

AUTHOR: Serkov, V.V., Candidate of Physical and Mathematical Sciences

TITLE: The Application of a Simplified Calculation of Stator Winding Data of Asynchronous Electric Motors

PERIODICAL: Energetik, 1959, Nr 7, pp 22-25 (USSR)

ABSTRACT: The author criticizes the article of K.F.Dombrovskiy, titled: "A simplified Calculation of Asynchronous Motor Winding Data for Repair Purposes", published in "Energetik ", 1957, Nr 11 and 12. This simplified calculation is not sufficiently accurate and produces false results in a number of cases. Using K.F. Dombrovskiy's method, the author performed calculations on 100 electric motors for which factory data were known. Comparing the results of these calculations with the factory data, it was found that with a permissible five-per-cent deviation of the figures to be

Card 1/2

SOV/91-59-7-14/21

The Application of a Simplified Calculation of Stator Winding
Data of Asynchronous Electric Motors

compared, only 19 results of 100 could be used. In case the deviation from the factory data was increased to 15%, then the number of correct results was 57 out of 100. Analyzing the incorrect directions of K.F. Dombrovskiy's method, the author recommends a modification of the latter by using different graphs. He explains the modifications in detail. The author presents two calculation examples using these modifications. There are 3 graphs, 1 table and 2 Soviet references.

Card 2/2

BULATOV, N.P. (Moskva); ZHEREBTSOV, I.P. (Leningrad); SERKOV, V.V.

Discussing the draft of the new program for the course in electrical engineering. Fiz. v shkole 20 no.5:71 S-O '60. (MIRA 13:11)

1. Pedagogicheskiy institut, g.Orsk (for Serkov).
(Electric engineering--Study and teaching)

22060

S/181/61/003/004/026/030
B102/B209

24.7600 (1035, 1110, 1137, 1158)

AUTHOR: Serkov, V. V.

TITLE: Reply to the paper by D. D. Voyeykov: "Methods of improving the stability of the balancing of Hall gages"

PERIODICAL: Fizika tverdogo tela, v. 3, no. 4, 1961, 1253-1254

TEXT: The author makes some critical remarks on an article published by D. D. Voyeykov in ZhTF, XXVIII, vyp. 10, 2248-2254, 1958. According to Voyeykov, the stability coefficient is to characterize the relative error of a measuring instrument basing on the Hall effect. In the last paragraph of his paper, the author comes to the conclusion that an increase of the stability coefficient must reduce the "disbalancing" effect of the pickup influencing the error of the instrument. In the present paper, it is now shown that this does not happen. The equilibrium coefficient which is defined by $K = 2U_x/HU_{12}$ or $K = 2\sigma k/Hl$, where k denotes the transfer coefficient equaling E_x/E_{12} , cannot characterize the effect of the "disbalancing" of the Hall gage upon the error in measurement. The following statements are made: The Card 1/2

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Reply to the ...

S/181/61/003/004/026/030
B102/B209

stability of the balancing of a Hall gage improves with increasing $1/a$ ratio, and the error in measurement is reduced. Voyeykov's request of abandoning the ratio $1/a = 2$ which had been suggested by Kurt, in order to improve stability, and replacing it by a value between 1 and 0.5 is not justified. [Abstracter's note: Definitions of the quantities used are not given and should be taken from Voyeykov's paper.] There is 1 Soviet-bloc reference. X

ASSOCIATION: Orskiy gosudarstvennyy pedagogicheskiy institut (Orsk State Pedagogical Institute)

SUBMITTED: September 26, 1960 (initially) and December 10, 1960 (after revision)

Card 2/2

SERKOV, V.V., kand.fiziko-matematicheskikh nauk

Formation of circuits for three-phase double layer windings with a fractional number of slots for pole and phase. Energetik 9 no.3: 29-32 Mr '61. (MIRA 14:7)
(Electric machinery--Windings)

SERKOV, V.V.

Rewinding of electric motors with aluminum wire. Energetik
9 no.4:33 Ap '61. (MIRA 14:8)
(Electric motors, Induction--Windings)

S/120/62/000/001/029/061
E140/E463

AUTHOR: Serkov, V.V.

TITLE: Measurement of large direct currents by an
integrating circuit based on the Hall effect

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1962, 124-128

TEXT: The article describes a "clip-on" megammeter using distributed Hall-effect detectors. A mathematical analysis first shows the effect of approximating a continuous detector by individual detectors spaced around the integration loop. A model with five spaced Hall-effect detectors is then described for measuring currents up to 10^4 A. This level of approximation is already satisfactory for 1.5% instruments. There are 6 figures. ✓

ASSOCIATION: Orskiy gosudarstvennyy pedagogicheskiy institut
(Orsk State Pedagogical Institute)

SUBMITTED: February 2, 1961

Card 1/1

S/103/62/023/003/011/016
D288/D301

9.4370 (1043, 1137)

AUTHOR: Serkov, V. V. (Orsk)

TITLE: Effect of additional resistivity change of semiconductors in a magnetic field caused by a secondary Hall emf.

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 5, 1962, 383 - 387

TEXT: R.F. Wick is said to be the first to mention the effect of shorting the transverse electrodes in a Hall generator. A general analysis is presented, for the case where a secondary current I_y is flowing in the transverse electrode circuit, due to the Hall e.m.f. caused by supply I_x , the semiconductor being immersed in a magnetic field H_z , where x, y, z are Cartesian coordinates. I_x and H_z can be supplied from d.c. or sinusoidal co-phased sources. Secondary e.m.f. excited by I_y causes the apparent resistivity increment $\Delta\rho$ of the semiconductor. It is shown that $\Delta\rho$ increases with the square
Card 1/2

Effect of additional resistivity ...

S/103/62/023/003/011/016
D288/D301

of carrier mobility in weak magnetic fields, and that additional secondary effects arise: thus change in I_y generates opposite sign change of I_x . $\Delta\rho$ can be varied by adjusting external resistance, max. effect being obtained when the transverse electrode circuit is shorted. Applications leading to higher sensitivity of various instruments based on the Hall effect are briefly indicated. Experimental verification using n-type InSb, ($\rho = 5.1 \times 10^{-3}$ ohms.cm, Hall const. $R = 340$ cm²/coul.) is described, and the measured incremental resistivity is plotted vs. H_z , both for open- and shorted transverse electrode circuit. Good agreement with theoretically obtained curve is shown. There are 3 figures, 1 table and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: R.F. Wick, J. Appl. Phys., v. 25, no. 6, 1954. ✓

SUBMITTED: July 20, 1961

Card 2/2

SERKOV, V.V.

A problem involving the Hall effect. Usp. fiz. nauk 82
no.1:161-163 Ja'64. (MIRA 17:2)

SERKOVA, A.T.; KONKIN, A.A.; KOTOMINA, I.N.

Preparation of extra-strong viscose cord. Khim.volok. no.1:
15-21 '59. (MIRA 12:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstven-
nogo volokna.

(Rayon)

SERIKOVA, A.Z.

Experience in using thromboelastography in clinical practice. Terap.
arkh. 31 no.11:35-41 N '59. (MIRA 13:3)

1. Iz kliniki propedevtiki vnutrennikh bolezney Voenno-meditsinskoy
ordena Lenina akademii imeni S.M. Kirova (nachal'nik - deystvitel'nyy
chlen AMN SSSR prof. N.N. Savitskiy).
(BLOOD PLATELETS)

SERKOVA, G.N.: STORZHENKO, V.P.

Prospects for the use of plastics in the finishing of buildings.
Plast.massy no.9:30-32 '60. (MIRA 13:11)
(Plastics) (Construction industry)

SAMSONOV, G.V.; KISLYY, P.S.; PANASYUK, A.D.; STREL'CHENKO, A.G.;
KHAVRUNYAK, I.G.; SERIKOVA, G.N.

Zirconium boride tips for thermocouples. Ogneupory 26
no. 2:72-74 '61. (MIRA 14:2)

1. Institut metallokeramiki i spetsial'nykh splavov AN USSR
(for Samsonov, Kislyy, Panasyuk). 2. Institut avtomatiki Gosplana
USSR (for Strel'chenko, Khavrunyak, Serikova).
(Thermocouples)

STOROZHENKO, V.P., inzh.; SERKOVA, G.N., inzh.

Technical and economic indices of the manufacture of various
synthetic materials for flooring. Stroi. mat. 8 no.2:18-21
F '62. (MIRA 15:3)
(Floor coverings)

STOROZHENKO, Vyacheslav Petrovich; SERKOVA, Galina Nikitichna;
YEGOROV, N.G., nauchnyy red.; KOSYAKINA, Z.K., red. izd-va;
KASIMOV, D.Ya., tekhn. red.

[Manufacture of polymeric finishing materials and articles;
status and prospects for development] Proizvodstvo polimernykh
otdelochnykh materialov i izdelii; sostoianie i perspektivy
razvitiia. Moskva, Gosstroizdat, 1962. 112 p. (MIRA 15:6)
(Polymers) (Building materials)

BLINOV, Yu.I., inzh.; SERKOVA, G.N., inzh.

Films for finishing the interiors of buildings. Stroi.mat. 8
no.7:9-11 J1 '62. (MIRA 15:8)
(Plastic films) (Building--Details)

3. SERKOVA, L. A.

File

Spinning polyacrylonitrile base fiber. V. E. Kotina, V. S. Klucenkov, M. G. Vasilekima, and L. A. Serkova. U.S. S.R. 105,128. Mar. 25, 1947. A mixt. of paraffin oxidation products contg. about 60% fatty acids with 7-20 C atoms per mol. and 20-30% alcs. with 10-14 C atoms per mol. or contg. the alcs. or acids only is used as the prodn. bath for spinning fibers of polyacrylonitrile dissolved in HCONMe.
M. Hosh

GRUZDEV, V.A.; KLIMENKOV, V.S.; SERKOVA, L.A.; MICHURINA, G.A.;
ZHUCHKOVA, H.G.; BONDARENKO, V.M.

Thermooxidative destruction of polypropylene and of a fiber
made from it. Khim. volok. no. 6:19-22 '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.
(Textile fibers, Synthetic) (Propene)

SERKOVA, L.G.

Nesting of the carpenter bee *Xylocopa turanica* Mor. (Hymenoptera,
Apocidea). Ent.oboz. 33:186-189 '53. (MLRA 7:5)

1. Respublikanskaya Stantsiya zashchity rasteniy Alma-Ata.
(Bees)

GOL'DBERG, K.M.; GEL'FANDBEYN, N.M.; Primali uchastiye: BARIL'OTI,
A.S.; KAPUSTINA, A.I.; LINKOVA, L.M.; STRUKOVA, V.A.; SERKOVA,
L.V.; FRADKINA, TS.Ye.

Anticorrosive alkyd GF-020 priming. Lakokras.mat.i ikh prim.
no.2:71-74 '62. (MIRA 15:5)

1. Khar'kovskiy lakokrasochnyy zavod "Krasnyy khimik".
(Protective coatings)

SERKOVA, M.P.

Experience in using elatin in mental clinics. Farm. i toks. 19
no.3:48-51 My-Je '56. (MLRA 9:9)

1. 1-e klinicheskoye otdeleniye (rukovoditel' - prof. L.G.Chlenov)
Instituta nevrologii AMN SSSR.

(PARESIS

spastic, tehr., Delphinium elatum alkaloids)

(ALKALOIDS

of Delphinium elatum, ther. of spastic paresis)

SERKOVA, M.P.
BASSIN, F.V.; SERKOVA, M.P.

Electrographic changes in muscle tonus preceding voluntary movements
in organic disorders of motor function. Zhur. nevr. i psikh. 56 no.11:
866-873 N '56. (MLRA 10:2)

1. Institut neurologii (dir. - prof. N.V.Kononov) AMN SSSR, Moskva.
(MOVEMENT DISORDERS,
electromyographic changes preceding voluntary movements
in organic motor disord. (Rus))
(ELECTROMYOGRAPHY, in various diseases,
movement disord., preceding voluntary movements (Rus))

CHLENOV, L.G., professor; SERKOVA, M.P. (Moskva)

Drug therapy in spastic hemiparesis. Klin.med. 35 no.5:32-37 My '57.
(MLRA 10:8)

1. Iz Instituta nevrologii AMN SSSR (dir. - deystvitel'nyy chlen
AMN SSSR prof. N.V.Konovalov)

(PARESIS, ther.

drug ther. in spastic hemiparesis)

SERKOVA, M. P. Cand Med Sci -- (diss) "Study of the effect
of new Soviet pharmacological ^{preparations} compounds (elatin, aminazin, and
tropatsin) upon the restoration of disturbed motor functions
after vascular lesions of the brain. *Cerebrum* 7, Mos, 1958 .
12 pp. (Acad Med Sci USSR). 200 copies.
(KL, 8-59, 108)

1935. Form of "Group" only, not all "Group" members. Details - Bureau, 1935.
Revised, n. 1. 1935. 10-10. A. 1935, 1. X. 1935. 1935-1935.

1974, p. 10.

1974. *Parasitology* 68: 101-102. Parasitology, ab. Zool-ia-ia
At 1974, t. X, str. 100.

DUBININA, M. N.; ДЕБКОВА, О.Е.

Nematelminthes

Nematelminthes of birds wintering in Southern Tadzhikistan. Paraz. sbor. no.13,1951

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

EPSHTEYN, S.F.; SERKOVA, R.I. [Sierkova, R.I.]; MOTYLOVA, A., studentka

Renewal of the phosphorus of phosphoproteins in functionally
different muscles. Ukr. biokhim. zhur. 33 no.6:823-832 '61.

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiyev.
(PHOSPOPROTEINS) (MUSCLE)

CA

10

Transformations of pinacolones with substituted acetyl-
onic radicals VIII Synthesis and transformations of

trimethyl(phenylethynyl)ethylene glycol (2,3-dimethyl-5-phenyl-4-pentyn-3,3-diol). K. D. Venus-Danilova, V. I. Serkova, and I. A. Pavlova (Lensovot Technol. Inst., Leningrad). *Zhur. Obshch. Khim. (J. Gen. Chem.)* 21, 2210-10(1951); cf. *C.A.* 46, 5854f, 6400d, 7291g. — Me₃AcCOH and PbCl₂CMe Br gave 82%; 2,3-dimethyl-5-phenyl-4-pentyn-2,3-diol, b_p 150-2°; this (12 g.) refluxed 3 hrs. in 10 parts 30% H₂SO₄ gave Me₂CO and a mixt. of 2,3-dimethyl-5-phenyl-3-penten-2-ol-5-one (I) and its dehydration product, 2,3-dimethyl-5-phenyl-1,3-pentadien-5-one (II). Direct sepn. of I failed and the mixt. was dehydrated by hot Ac₂O, giving the fairly pure II, b_p 80-90° (semicarbazone, m. 132°); oxidation with KMnO₄ gave Ac₂, HCO₂H, BaOH, and BaCO₂H. In addn. to I and II, the acid treatment of the diol also gave a small amt. of 2,3-dimethyl-5-phenyl-4-pentyn-3-one, b_p 220-8°, which failed to yield a semicarbazone; oxidation with KMnO₄ gave Me₂CO, BaOH and Me₂C(OH)CO₂H, and traces of HCO₂H and AcOH, as well as possibly CH₂=CHMeCO₂H (obtained only as polymer). — In addn., an unstated amt. of C₁₁H₁₀O, b_p 113-20°, was isolated and provisionally identified as *n*-ethylidenacetyphenone. Fairly pure I, b_p 120-30°. Me groups at the 1st C atom at the pinacol aid the acetylene-allene rearrangement, while Me at the 2nd C atom aids the pinacol rearrangement. G. M. Kosolapoff

SERKOVA, V. I.

Venus-Danilova, E. D., Serkova, V. I.- "Investigation of transformations of pinacones with substituted acetylene radicals. Part 9. Synthesis and transformations of triphenyl-phenylacetyleneethylene glycol (1, 1, 2, 4-tetra-phenylbutyne-3-diol-1,2)" (p. 1563)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 9

SERKOVA, V. I.

USSR/Chemistry - Synthesis

Card 1/2

- Authors : Venus-Danilova, E. D., and Serkova, V. I.
- Title : Conversions of Pinacols with substituted acetylene radicals. Part 10.-
Synthesis and conversions of sym. dimethyl-phenyl-phenylacetylenil
ethyleneglycol (3-Methyl-2, 5-diphenyl-pentyne-4-diol-2, 3).
- Periodical : Zhur. Ob. Khim., 24, Ed. 6, 998 - 1004, June 1954
- Abstract : A new pinacol of the acetylene series - sym. dimethyl-phenyl-phenylacety-
lenil-ethyleneglycol (3-methyl-2, 5-diphenyl-pentyne-4-diol-2, 3) was
synthesized from methyl-phenyl-acetylcarbinol and phenyl-acetylene, in
accordance with the Iotsich method. Methylphenylcarbinol, diphenyl and
considerable amounts of resin were separated during thermal decomposition
of pinacol (vacuum distillation). Pinacol, subjected to the effect of a
30% sulfuric acid and heating, does not submit to acetylene-allene or
pinacolin regrouping, but decomposes into acetophenone and phenyl-vinyl-
acetylene followed by dehydration and formation of enin-alcohol and

Zhur. Ob. Khim., 24, Ed. 6, 998 - 1004, June 1954

(Additional Card)

Card 2/2

Abstract : separation of the acetophenone. Twenty-nine references: 1-USA since 1909. Graph.

Institution : The Lensoviet Technological Institute, Leningrad

Submitted : September 29, 1953

79-2-13/58

Study of Pinacol Conversions with Substituted Acetylene Radicals.
Part 14.

proven during its oxidation and derivation of benzophenone, benzilic, formic and trimethylacetic acids. It was revealed that the reaction of the alcohol solution of nonsymmetrical methyl-diphenyl-tertiary-butylacetylenyl-ethylene glycol with 2,4-dinitrophenylhydrazine in the presence of sulfuric acid leads to the formation of 2,4-dinitrophenylhydrazone, corresponding to isomeric ethylene gamma-katoalcohol - 1,1-diphenyl-2,5,5-trimethylehexene-2-Ol-l-on-4. There are 19 references, of which 17 are Slavic

ASSOCIATION: Leningrad Technological Institute imeni Leningrad Soviet

PRESENTED BY:

SUBMITTED: March 24, 1956

AVAILABLE: Library of Congress

Card 2/2

SOV/79-28-6-8/63

AUTHORS: Venus Danilova, E. D.; Serkova, V. I.

TITLE: Investigation of the Conversion of Pinacols With Substituted Acetylene Radicals (Issledovaniye prevrashcheniy pinakonov s zameshchennymi atsetilenovymi radikalami) XVI. Synthesis and Conversions of the Symmetric Dimethyl-Phenyl-Tertiary-Butylacetylenylethyleneglycol (3,6,6-Trimethyl-2-Phenylheptane-4-Diol-2,3) (XVI. Sintez i prevrashcheniya simm.dimetil-fenil-tretichno-butilatsetileniletilenglikolya (3,6,6-trimetil-2-fenilheptin-4-diola-2,3))

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1477-1482 (USSR)

ABSTRACT: At present it is still impossible to predict the direction of the conversion of the pinacols of the acetylene series, as every radical taking a certain position in the molecule of the pinacol influences its conversion. The authors only investigated the summary effect of these influences. However, the results of the conversions of the symmetrical dimethyl-phenyl-phenyl-acetylenylethyleneglycol (Ref 4) of the asymmetrical methyl-diphenyl-tertiary-butylacetylenyl

Card 1/3

SOV/79-28-6-8/63

Investigation of the Conversion of Pinacols With Substituted Acetylene Radicals. XVI. Synthesis and Conversions of the Symmetric Dimethyl-Phenyl-Tertiary-Butylacetylenylethylene glycol (3,6,6-Trimethyl-2-Phenylheptane-4-Diol-2,3)

glycol (Ref 3), as well as of the asymmetrical methyl-diphenyl-phenylacetylenylethylene glycol (Ref 5) and of the trimethyl-phenylacetylenylethylene glycol (Ref 8) make possible a prediction to some extent. Of these compounds the first two yielded only enenealcohols, and the two latter ketones of the acetylene series. It may be expected that the symmetrical dimethyl-phenyl-tertiary-butylacetylenylethylene glycol (formula VIII) on the action of sulfuric acid had to convert to the enenealcohol (IX) or the ketone of the acetylene series (X). In order to check this assumption the symmetrical dimethyl-phenyl-tertiary-butyl-acetylenylglycol (VIII) was synthesized and treated with sulfuric acid in the heat. The only conversion product of this glycol on the action of a 30 % sulfuric acid was a ketone of the acetylene series, the asymmetric methyl-phenyl-tertiary-butylacetylenylacetone (3,6,6-trimethyl-3-phenylheptane-4-one-2) (X). It easily forms a semicarbazone and the 2,4-dinitrophenylhydrazone. The structure of this ketone was proved by oxidation, its infra-

Card 2/3

SOV/79-28-6-8/63

Investigation of the Conversion of Pinacols With Substituted Acetylene Radicals. XVI. Synthesis and Conversions of the Symmetric Dimethyl-Phenyl-Tertiary-Butylacetylene ethyleneglycol (3,6,6-Trimethyl-2-Phenylheptene-4-Diol-2,3)

red spectrum, and by a comparison of its ultraviolet spectrum with the corresponding asymmetrical diphenyl-tertiary-butyl-acetylenylacetone (XI) (Fig 1). There are 1 figure and 16 references, 14 of which are Soviet.

ASSOCIATION: Leningradskiy tekhnologicheskii institut imeni Lensovet
(Leningrad Technological Institute imeni Lensovet)

SUBMITTED: June 17, 1957

1. Ethylene glycols--Synthesis

Card 3/3

SERKOVA, V.I.; ANTONOVA, A.A.; VENUS-DANILOVA, E.D.

New type of 2-hydroxy-2,5-dihydrofuran condensation. Zhur.ob.khim.
31 no.9:3141-3142 S '61. (MIRA 14:9)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta.
(Furan)

SERKOVA, V.I.; ANTONOVA, A.A.; VENUS-DANILOVA, E.D.

Conversions of pinacones with substituted acetylene radicals.
Part 20: Synthesis and conversions of assym. dimethylphenylmethyl-
methylacetylenyl ethylene glycol. Zhur.ob.khim. 32 no.6:1771-1778
Je '62. (MIRA 15:6)

1. Leningradskiy tekhnologicheskii institut im. Leningradskogo
Soveta.

(Ethanediol) (Acetylene)

SERKOVA, V.F.; ZVEREV, V.M.

Synthesis of asymmetric dimethyl-phenyl-n-methoxyphenylacetylenyl
ethylene glycol. Trudy LTI no.59:19-21 '61.

(MIRA 17:9)

SERKOVA, V.I.; PAVLOVA, L.A.; VENUS-DANILOVA, E.D.

Transformations of pinacones with substituted acetylenic radicals. Part 23: Synthesis and transformation of non-symmetrical dimethyl-tert-butyl-phenylacetylenyl ethylene glycol. Zhur. ob. khim. 34 no.11:3624-3630 N '64

(MIRA 18:1)

1. Leningradskiy tekhnologicheskii institut imeni Lensoveta.

USSR/Human and Animal Physiology - (Normal and Pathological). T
Blood Circulation. General Problems.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17414

Author : Serkova, V.K.

Inst : Vinnitsa Medical Institute

Title : The Changes of Electrocardiogram in Tachycardia, Induced
by Physical Load, in Healthy People.

Orig Pub : Sb. nauchn. tr. Vinnitsk. med. in-ta, 1957, 14, 90-100

Abstract : No abstract.

Card 1/1

SERKOVA, V.K.

Correlation between the systolic duration and the magnitudes of systolic and minute volumes of the heart in tachycardia following exercise in healthy individuals. Vrach.delo no.3: 237-238 Mr '59. (MIRA 12:6)

1. Kafedra fakul'tetskoy terapii (zav. - prof.B.S.Shklyar)
Vinnitskogo meditsinskogo instituta.
(BLOOD VOLUME) (ARRHYTHMIA)

SERKOVA, V. K., Cand Med Sci (diss) -- "The duration of individual phases of the cardiac cycle of intracardiac conduction and the momentary volume of the heart in tachycardia of various origins". Odessa, 1960. 18 pp (Odessa State Med Inst im N. I. Pirogov), 300 copies (KL, No 11, 1960, 138)

SERKOVA, V.K.

Duration of the separate phases of the cardiac cycle and the magnitude of the systolic and minute volume of the heart in tachycardia caused by the administration of atropine, adrenaline, and caffeine. Vrach.delo no.2:133-135 P '60. (MIRA 13:6)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta.
(ARRHYTHMIA) (ALKALOIDS)

SERKOVA, V.K.

Factors responsible for the development of edema in patients with
cardiac diseases. Vrach. delo no.1:40-44, Ja '62. (MIRA 15:2)

1. Klinika fakul'tetskoy terapii (zav. - prof. B.S.Shklyar [deceased])
Vinnitskogo meditsinskogo instituta.
(EDEMA) (HEART___DISEASES)

SERKOVA, V.K.

Determination of capillary permeability as a method for the
diagnosis of rheumatic fever. Vrach. delo no.8:114-115 Ag
'61. (MIRA 15:3)

1. Klinika fakul'tetskoy terapii (zav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta imeni N.I. Pirogova.
(CAPILLARIES--PERMEABILITY)
(RHEUMATISM)

SERIKOVA, Z.M.

Transparent summation nomograms. Uch. zap. Ivar. gos. ped.
inst. 31:122-127 '63. (MIRA 19:1)

1. Submitted June 6, 1960.

SERKOVA, Zinaida Vasil'yevna; LERNER, Lyudmila Konstantinovna;
LYAKHOVICH, Iosif Abramovich; MUKHIN, Viktor
Zakharovich; POLUBNEVA, V.I., inzh., red.

[Manufacturing panels for series 1-468r apartment houses of dense and cellular lime concrete; practices of the Kuryazh Silica Brick Plant and the No.3 Reinforced Concrete Structural Element Plant] Proizvodstvo panelei domov serii 1-468r iz plotnogo i iacheistogo silikatnogo betona; opyt Kuriyazhskogo zavoda silikatnogo kirpicha i zavoda zhelezobetonnykh konstruksii no.3 (Khar'kovskaia oblast'). Moskva, Gosstroizdat, 1963. 28 p. (MIRA 17:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. 2. Rukovoditel' laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Serkova). 3. Rukovoditel' gruppy laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Lerner). 4. Glavnyy inzhener zavoda zhelezobetonnykh konstruksii No.3 (for Mukhin). 5. Glavnyy tekhnolog laboratorii silikatnykh materialov Yuzhnogo nauchno-issledovatel'skogo instituta promyshlennogo stroitel'stva Gosstroya SSSR (for Lyakhovich).

ALEKSEYEV, S. N., kand. tekhn. nauk; LYAKHOVICH, I. A., inzh.;
SERKOVA, Z. V., inzh.

Using KAP mesh reinforced foam concrete slabs as coverings.
Prom stroi 41 no. 12:30-31 D '63. (MIRA 17:5)

USSR/Engineering - Machines, Testing Mar 50
Hardness Tests

"Triangular Diamond Pyramid for Microhardness Testing," Ye. S. Serkovich, Inst of Mach Studies, Acad Sci USSR, 3 pp

"Zavod Lab" Vol XVI, No 3

Suggests triangular pyramid as possible way to avoid difficulties encountered in manufacturing rectangular pyramid--to converge all four sides to one point. Five materials were tested with both pyramids under various loads; results proved to be in very close agreement.

159T30

SERKOVSKIY, S.I.

Radiator from galvanized steel tubes. Avt.trakt.prom. no.7:16a-b J1 '53.
(MIRA 6:8)
(Automobiles--Radiators)

SERKOVSKIY, S. I.

SERKOVSKIY, S. I.: "Investigation of the design and thermal parameters of a steel radiator for a tractor engine." Min Higher Education USSR. Moscow Inst of the Mechanization and Electrification of Agriculture imeni V. M. Molotov. Moscow, 1956.
(Dissertation for the degree of doctor in Technical Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

SERKOVSKIY, V.

Work goes well. Sov. shakh. 11 no.10:26-27 0 '62. (MIRA 15:9)

1. Predsedatel' uchastkovogo komiteta professional'nogo soyuza
Kadiyevskoy shakhty im. Il'icha.
(Coal mines and mining—Labor productivity)